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| | | | | | | | | Applicants: Shunichi SATO et al. | | | | |
| | | | | | | | | Filing Date: Herewith | | Group Art Unit: | | |
| U.S. PATENT DOCUMENTS | | | | | | | | | | | | |
| Examiner Initial | | Document Number | | | Date | | Name | | Class | Subclass | Filing Date if Appropriate | |
| <i>WSL</i> | | 5 | 0 | 3 | 6 | 0 | 2 | 2 | 7-1991 | Kuech et al. | | |
| | | 5 | 2 | 5 | 3 | 2 | 6 | 4 | 10-1993 | Suzuki et al. | | |
| <i>V</i> | | 6 | 2 | 0 | 7 | 9 | 7 | 3 | 3-2001 | Sato et al. | | |
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| FOREIGN PATENT DOCUMENTS | | | | | | | | | | | | |
| | | Document Number | | | | | Date | Country | Class | Subclass | Translation | |
| | | | | | | | | | | | Yes | No |
| <i>WSL</i> | JP | 6 | 2 | 7 | 5 | 9 | 1 | 4 | 9-30-94 | Japan | | Abstract |
| | JP | 6 | - | 3 | 7 | 3 | 5 | 5 | 2-10-94 | Japan | | Abstract |
| | JP | 6 | 3 | 3 | 4 | 1 | 6 | 8 | 12-2-94 | Japan | | Abstract |
| | JP | 7 | 1 | 5 | 4 | 0 | 2 | 3 | 6-16-95 | Japan | | Abstract |
| | JP | 7 | 1 | 9 | 3 | 3 | 2 | 7 | 7-28-95 | Japan | | Abstract |
| | JP | 8 | 1 | 9 | 5 | 5 | 2 | 2 | 7-30-96 | Japan | | Abstract |
| | JP | 9 | 2 | 3 | 7 | 9 | 4 | 2 | 9-9-97 | Japan | | Abstract |
| | JP | 9 | 2 | 8 | 3 | 8 | 5 | 7 | 10-31-97 | Japan | | Abstract |
| | JP | 1 | 0 | 0 | 7 | 4 | 9 | 7 | 3-17-98 | Japan | | Abstract |
| <i>V</i> | JP | 1 | 0 | 1 | 2 | 6 | 0 | 0 | 5-15-98 | Japan | | Abstract |
| | JP | 1 | 0 | 1 | 2 | 6 | 0 | 0 | 5-15-98 | Japan | | Abstract |
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| | | | | | | | | | | | | |
| OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) | | | | | | | | | | | | |
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